

DRAFT Water Screening Values (ug/L)								
Chemical	Surface Water Recreational Use	Groundwater (MCLs)	Drinking Water (Colo)	Ecological water (Colorado)		Water + Fish	Agriculture (30 day) (Colorado)	Fish ingestion (Colo)
				Acute	Chronic			Pre event baseline average
Aluminum				750 (tot rec)	87 (tot rec)			
Antimony	1.29E+02 nc	6	6.0 (30 day)			5.6		640
Arsenic, Inorganic	2.15E+00 ca	10	0.02-10 (30 day)	340	150	0.02	100	7.6
Barium	3.49E+04 nc	2,000	490 (30 day)					
Beryllium and compounds	1.00E+02 nc	4	4.0 (30 day)				100	
Cadmium (Water)	6.50E+01 nc	5		calculated	calculated		10	
Cadmium (sediment)								
Calcium								
Chromium, Total		100		16 (VI)	11	100 (30 day)	100	
Cobalt	3.13E+03 nc							
Copper	8.58E+03 nc	1,300	1,000 (30 day)	calculated	calculated	1,300	200	
Iron	6.01E+05 nc	300 (2nd)	300 (30 day, diss)		1,000 (tot rec)			
Lead and Compounds		15		calculated	calculated		100	
Magnesium								
Manganese	2.55E+03 nc	50 (2nd)	50 (30 day, diss)	calculated	calculated		200	
Mercury		2		1.4				
Molybdenum	4.29E+03 nc							
Nickel Sol Salts	7.87E+03 nc		100 (30 day)	calculated	calculated	610	200	4,600
Potassium								
Selenium	4.29E+03 nc	50	50 (30 day)	18.4	4.6	170	20	4,200
Silver	8.37E+02 nc	100 (2nd)		calculated	calculated			
Sodium								
Thallium (Sol Salts)	3.43E+01 nc	2	0.5 (30 day)		15	0.24		0.47
Vanadium	7.12E+02 nc							
Zinc	2.92E+05 nc	5,000 (2nd)	5,000 (30 day)	calculated	calculated	7,400	2,000	26,000

Chemical	Ecological sediment (mg/kg)	R8 Recreational sediment (mg/kg)
Aluminum		
Antimony		
Arsenic, Inorganic	33	4.9
Barium		
Beryllium and compounds		
Cadmium (Water)		
Cadmium (sediment)	4.98	0.58
Calcium		
Chromium, Total	111	
Cobalt		
Copper	149	21
Iron		
Lead and Compounds	128	69
Magnesium		
Manganese		
Mercury	1.06	
Molybdenum		
Nickel Sol Salts	48.6	
Potassium		
Selenium		
Silver		
Sodium		
Thallium (Sol Salts)		
Vanadium		
Zinc	459	116

Chemical	R8 Recreational soil
Aluminum	3,300,000
Antimony	
Arsenic, Inorganic	22
Barium	670,000
Beryllium and compounds	6,700
Cadmium (Soil)	1,700
Cadmium (sediment)	
Calcium	
Chromium, Total	4,300,000
Cobalt	1,000
Copper	130,000
Iron	2,300,000
Lead	20,000
Magnesium	
Manganese	160,000
Mercury	1,000
Molybdenum	
Nickel	67,000
Potassium	
Selenium	
Silver	
Sodium	
Thallium	33
Vanadium	17,000
Zinc	1,000,000

From Barker-Hughesville Carpenter Snow Creek Superfund S

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